

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the application of: LAUKS, Imants

Serial No.: 09/871,821 Group Art Unit: 1743

Filing Date: 06/04/2001 Examiner:

Confirmation No.: 1985

Title: INTEGRATED ELECTROKENETIC DEVICES AND METHODS OF  
MANUFACTURE

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INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231  
U.S.A.

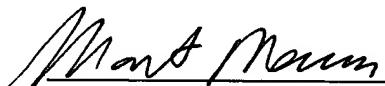
Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ✓ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.
- 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
  - a. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
  - b. No item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).

- - c. Attached is our cheque no. \_\_\_\_ in the amount of \$200.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. \_\_\_\_ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- - d. Pursuant to the March 2, 1992 PTO Notice, no certification or fee is required for Information Disclosure Statements filed during this stage of prosecution and on or before April 30, 1992.
- - 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our cheque no. \_\_\_\_ in the amount of \$130.00 in payment of the fee under 37 C.F.R. 1.17(i)(1). Please credit or debit Deposit Account No. \_\_\_\_ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- - a. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
  - b. No item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

  
\_\_\_\_\_  
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Attorney Docket No.: PAT 485-2

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FORM PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PAT 485-2	SERIAL NO. 09/871,821
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT LAUKS, Imants	RECEIVED AUG 28 2001 TC 1700
		FILING DATE 06/04/2001	

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PATENT & TRADEMARK OFFICE

## U. S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,048,377	09/13/77	BOSCHETTI et al			Jan. 12, 1976
	AB	4,574,040	03/04/86	DELONY et al			Sep. 26, 1984
	AC	4,628,035	12/09/86	TOKINAGA et al			Aug. 7, 1984
	AD	4,663,015	05/05/87	SLEETER et al			Sep. 30, 1985
	AE	4,908,112	03/13/90	PACE			Jun. 16, 1988
	AF	4,933,048	06/12/90	LAUKS			Feb. 16, 1988
	AG	4,997,537	03/05/91	KARGER et al			Sep. 12, 1989
	AH	4,999,340	03/12/91	HOFFMAN et al			Aug. 4, 1988
	AI	5,055,415	10/08/91	IMAI et al			Apr. 1, 1988
	AJ	5,089,111	02/18/92	ZHU et al			Sep. 27, 1990
	AK	5,126,022	06/30/92	SOANE et al			Feb. 28, 1990
	AL	5,141,612	08/25/92	SCHOMBURG et al			Dec. 12, 1990
	AM	5,167,783	12/01/92	HOLLOWAY			Dec. 20, 1990
	AN	5,180,480	01/19/93	MANZ			Jan. 13, 1992

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AO							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ		Fodor, et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", Research Article, Science, vol. 251, p. 767-773, Feb. 15, 1991.					
		Harrison, et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip", Anal. Chem. vol. 64 no.17 p.1926-1932, Sept. 1, 1992.					
AS		Harrison, et al., "Micromachining a Minaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip", Science, vol. 261, p. 895-897, Aug. 13, 1993.					

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	BA	5,192,412	03/09/93	KAMBARA et al			Nov. 29, 1991
	BB	5,194,133	03/16/93	CLARK et al			Mar. 16, 1993
	BC	5,200,051	04/06/93	COZZETTE et al			Nov. 7, 1989
	BD	5,207,886	05/04/93	LAUER et al			Sep. 27, 1991
	BE	5,296,114	03/22/94	MANZ			Nov. 30, 1992
	BF	5,304,487	04/19/94	WILDING et al			May 1, 1992
	BG	5,429,734	07/04/95	GAJAR et al			Oct. 12, 1993
	BH	5,439,578	08/08/95	DOVICHET al			Jun. 3, 1993
	BI	5,514,253	05/07/96	DAVIS et al			Jul. 13, 1994
	BJ	5,543,023	08/06/96	LUGOJAN			Oct. 4, 1995
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	BP	Harmon et al., "Mathematical Treatment of Electrophoretically Mediated Microanalysis", Anal. Chem. vol. 65 no. 19 p.2655-2662, Oct. 1, 1993.
		Fan, et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections", Anal. Chem., vol. 66 no. 1 p.177-184, January 1, 1994.
	BR	Jacobson, et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices", Anal. Chem., vol 66 no. 7 p.1107-1113, Apr. 1,1994.

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	LAUKS, Imants	
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06/04/2001	1743	

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	CA	5,632,957	05/27/97	HELLER et al			Sep. 9, 1994
	CB	5,637,469	06/10/97	WILDING et al			Nov. 30, 1994
	CC	5,661,028	08/26/97	FOOTE			Sep. 29, 1995
	CD	5,746,901	05/05/98	BALCH et al			Apr. 5, 1996
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	CF	5,770,029	06/23/98	NELSON et al			Jul. 30, 1996
	CG	5,800,690	09/01/98	CHOW et al			Jul. 3, 1996
	CH	5,858,195	01/12/99	RAMSEY			
	CI	5,906,723	05/25/99	MATHIES et al			Aug. 26, 1996
	CJ	5,954,931	09/21/99	MARACAS et al			Jan. 24, 1997
	CK	6,010,608	01/04/00	RAMSEY			Sep. 16, 1998
	CL	6,013,166	01/11/00	HELLER			Apr. 28, 1994
	CM	6,017,696	01/25/00	HELLER			Jul. 7, 1994
	CN	6,129,828	10/10/00	SHELDON, III et al			Sept. 6, 1996

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CN							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CO	Jacobson, et al., "High-Speed Separations on a Microchip", Anal. Chem. vol. 66 no. 7, p.1114-1118, Apr. 1, 1994.
CP	Dasgupta et al., "Electroosmosis: A reliable Fluid Propulsion System for Flow Injection Analysis", Anal. Chem. vol. 66, No. 11, Jun. 1, 1994, pp. 1792-1798.
CQ	Harmon et al., "Selectivity in Electrophoretically Mediated Micronalysis by Control of Product Detection Time", Anal. Chem. vol. 66 no.21 p. 3797-3805, Nov. 1, 1994.
CR	Woolley et al., "Ultra-High-Speed DNA Fragment Separations using Microfabricated Capillary Array Electrophoresis Chips", Proc. Natl. Acad. Sci. USA vol. 91 p.11348-11352, Nov. 1994.

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